The Afghanistan Engineering Support Program assembled this deliverable. It is an approved, official USAID document. Budget information contained herein is for illustrative purposes. All policy, personal, financial, and procurement sensitive information has been removed. Additional information on the report can be obtained from Firouz Rooyani, Tetra Tech Sr. VP International Operations, (703) 387-2151.

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FROM THE AMERICAN PEOPLE

ENGINEERING SUPPORT PROGRAM

Contract No. EDH-I-00-08-00027-00
Task Order No. 1
YEAR 6 WORK PLAN

January 24, 2015

This publication was produced for review by the United States Agency for International Development. It was prepared by Tetra Tech, Inc.

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Principal Contacts:

January 24, 2015

[redacted]

Office of Economic Growth and Infrastructure (OEGI)
U.S. Agency for International Development
Great Massoud Road
Kabul, Afghanistan

Re: Contract No. EDH-I-00-08-00027-00 / Task Order No. 1
Afghanistan Engineering Support Program (AESP)
Year 6 Work Plan

[redacted]

Tetra Tech, Inc. is pleased to submit Afghanistan Engineering Support Program's Year 6 Work Plan, pursuant to the above referenced IQC and Task Order. This Work Plan presents planned activities for the period of October 1, 2014 through September 30, 2015.

Tetra Tech AESP was originally contracted for five years, ending on November 8, 2014. However, late in FY2014 USAID opted to extend the AESP for one additional year. The Year 6 extension is authorized by Task Order Modification No. 23 dated September 24, 2014.

As we move into Year 6 of AESP, two shifts of the program are apparent. The first is a recognition of the wealth of information the first five years has generated. Through Year 5, Tt AESP has completed 159 work orders with an additional 16 active work orders in progress. It is apparent that the institutional knowledge gained through completion of these work orders needs to be preserved and applied for the benefit of ongoing USAID Afghanistan initiatives and future projects.

Second, AESP will assume an expanded role in quality assurance, monitoring, and evaluation. These services will focus on USAID projects that are moving into the design and implementation phases. The most prominent project in Year 6 will be the implementation of the $450 million NEPS-SEPS electrical transmission connector between Kabul and Kandahar. The NEPS-SEPS connector will be completed on budget through the Afghanistan's national electric utility Da Afghanistan Breshna Sherkat (DABS).

We look forward to continuing our support of the USAID OEGI mission in 2015, and to strengthening our partnership while building a brighter future for Afghanistan. Please contact me should you have any questions or comments regarding this Work Plan.

Respectfully,
Tetra Tech, Inc.

[redacted]

AFGHANISTAN ENGINEERING SUPPORT PROGRAM

YEAR 6 WORK PLAN

January 24, 2015

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Acronyms and Abbreviations

A-E	Architecture and Engineering
AESP	Afghanistan Engineering Support Program
A/COR	Alternate Contracting Officer's Representative
ATVI	Afghanistan Technical & Vocational Institute
BMP	Best Management Practice
CO	Contracting Officer
COP	Chief of Party
COR	Contracting Officer's Representative
DABS	Da Afghanistan Breshna Sherkat
DCOP	Deputy Chief of Party
GW	GardaWorld
HIP	Hisarshahi Industrial Park
IP	Implementing Partner
IT	Information Technology
ISAF	International Security Assistance Force
JOFOC	Justification for Other than Full and Open Competition
LN	Local National
LOE	Level of Effort
LTTA	Long Term Technical Assistance
MIS	Management Information Systems
MoF	Ministry of Finance
MoFA	Ministry of Foreign Affairs
MoPW	Ministry of Public Works
MEW	Ministry of Energy and Water
NEPS	Northeast Power Systems
NGO	Non-Governmental Organization
OEGI	Office of Economic Growth and Infrastructure
O&M	Operation and Maintenance
OSSD	Office of Social Sector Development
PMP	Performance Monitoring Plan
PRT	Provincial Reconstruction Team
QA	Quality Assurance
SMART	SMART Engineering Team
SOP	Standard Operating Procedures
SOW	Statement of Work
SS	Substation
STTA	Short Term Technical Assistance
TO	Task Order
USACC	US Afghan Consulting and Construction
USAID	United States Agency for International Development
USG	United States Government
WO	Work Order
WO-A	Work Order-Administrative
WO-LT	Work Order-Long Term

1.0 Introduction

1.1 Background

The Afghanistan Engineering Support Program (AESP) provides quick response resident professional architect and engineering (A-E) technical services in the sectors of energy, water and sanitation, transportation, vertical structures, and water resources to the United States Agency for International Development (USAID) Afghanistan. Activities under this Task Order (TO) support USAID's priority projects of electrical power transmission and distribution, hydropower plants (HPPs), Thermal power plants (TPPs), roadways/airports, gender initiatives, and fostering sustainable development in Afghanistan. Tetra Tech (Tt) is committed to developing local national (LN) engineers and support staff by mentoring and training them through work orders (WOs) performed under this program.

This Year 6 Work Plan updates the Year 5 Work Plan submitted on August 25, 2013. Year 6 has been awarded through a modification to the contract (MOD 23) issued on September 25, 2014, which adds an additional year and increases the budget cap. The Year 6 Work Plan provides an updated overview of program management structure, schedule, including activities to ensure a smooth transition to future work, workflow, and overall program approach. It also outlines work to accomplish during the sixth year of the AESP, with an overview of short-term level of effort (LOE) and work activities. For information on work completed to date, please consult annual and quarterly reports submitted to USAID.

1.2 Program Goals

Overall program goals remain unchanged since the submittal of Year 5 Work Plan on August 25, 2013. Tt is committed to capacity building, gender equality, and the continuance of efforts to strengthen collaborative activities within Afghan organizations and individuals. Tt will continue to support WOs with current LN engineering staff and hire additional staff as directed by USAID. Activities performed by Tt under AESP complement and reinforce the activities and A-E expertise of USAID's Office of Economic Growth and Infrastructure (OEGI) staff in the following sectors:

- Energy (generation, transmission, distribution and regulation). These services include, but are not limited to: assessment, planning, design and construction of multiple power networks from generation to distribution, and regulation. Power networks range from small to large-scale systems and include renewable energy systems and hybrid systems. Energy sector services include mentoring LNs.
- Water Resources/Dams. These services include, but are not limited to: assessment, planning, design, and construction for hydropower generation, water resource management, urban and rural water systems, drainage basins and irrigation systems, dams and storage reservoirs, flood control programs, domestic and industrial water supply, and the exploration and development of groundwater resources. These services include mentoring LNs.
- Transportation (roads, rail, and airports). These services include, but are not limited to: assessment, planning, design and construction of transportation systems, primary and secondary roads, and bridges. These services also include mentoring LNs.
- Vertical Structures (structural assessment and design of schools, clinics, government centers, and other buildings, including temporary space). These services include, but

are not limited to: structural assessment, seismic assessment and retrofit design, planning, design and construction of education, health, judicial, general government facilities, agriculture, industrial parks, and other structures as required. These services also include mentoring LNs.

- Water and Sanitation (urban and rural water supply systems, sanitation facilities, hygiene behavior change, and irrigation). These services include, but are not limited to: assessment, planning, design and construction for water treatment, water conveyance, wastewater collection, and wastewater treatment systems. Water and Sanitation services include mentoring LNs.

- Quality Assurance (QA). This activity includes implementation of the AESP Quality Assurance Plan during all phases of operations, including studies, design and construction activities. These services also include mentoring LNs in QA.

Under AESP, Tt AESP provides A-E and technical support so that USAID can continue further development of sustainable infrastructure in Afghanistan. Tt will continue to provide quality-engineering services; build capacity of the AESP LN staff of men and women; and provide project management, planning, design and quality assurance and control through program completion.

2.0 Program Approach

2.1 Introduction

The Year 6 Work Plan approach will continue as in the previous year. Year 6 will include the task of planning for project completion of AESP, with the anticipation that follow-on work within the country is envisioned by USAID. Tt AESP has and will continue to provide engineering planning, design, and technical support from the dedicated office in Kabul with stateside technical and expert engineering support. Tt AESP collaborative approach will continue to support USAID's mission of creating a lasting and competent engineering practice comprised of LN professionals to improve the quality of consulting engineering in Afghanistan.

As in previous years, mentoring and support provided by expatriate senior engineering leadership will continue to develop skill sets in the LN engineer and support staff. Gender equality and capacity building has been, and will continue to be, included into the daily activities. Work Order management is on course, shifting from expatriate to LN engineering leads. Staffing requirement shall be assessed based on needs and/or directed by USAID. As the project nears completion, staff reduction will continue for expats and LN staff. LN engineers and professional men and women will continue to be mentored by senior expatriate staff. Additional program support provided is summarized below:

- Capture and preserve institutional knowledge of completed and on-going projects for future programs under the USAID mission.

- Engineering technical expertise and support from reachback engineering staff provided as needed through e-mail correspondence, conferencing, and technical consultations.

- Engineering design guidance and review provided to USAID OEGI.

- Collaboration and active working relationships with USAID, government agencies, non-governmental organizations (NGOs), and other stakeholders.

- Ensuring that the impact of the work is sustainable into the future.

- In support of sound engineering practices, the work product produced is evaluated within general performance standards: quality of work, compliance with specifications, cost control/effectiveness, timeliness, and client satisfaction.

2.2 Planning Activities

Tt provides quality engineering, technical assistance, and guidance in the planning of AESP activities requested, including conceptualization, analysis and approval documentation as listed:

- Preparation and/or review of studies, assessments, designs, and specifications for systems and equipment for facilities, statements of work (SOW) for associated services, bill of quantities (BOQ) and cost estimates, requests for proposals (RFP), and bid assistance;
- Preparation and/or review of training programs, especially in the areas of construction inspection and management, seismic retrofit options, shop drawing review, plant or equipment start-up, operation, maintenance, testing, acceptance, and logistics procedures and efficiency;
- Preparation, review, or assistance in development of statistical data on existing supply/demand and supply/demand forecasts. Development and interpretation for system usage data, forecasting future system requirements and estimating costs;
- Preparation or review of pre-feasibility and feasibility studies; cost estimates; technical, financial and economic surveys; social soundness, management and financial analyses; organizational plans; and recommendations concerning technical and economic aspects of development;
- Ensuring that environmental and sustainability issues are considered in program design and in keeping with Agency practices in accordance with USAID's environmental procedures or "Regulation 216" (Title 22, Code of Federal Regulations, Part 216);
- Analysis of risks associated with natural disasters and the design of structures and services to appropriate building standards to better withstand such disasters; and analysis, evaluation and preparation of plans and procedures for maintenance and operations;
- Preparation of QA Plans for AESP construction oversight using our team of LN engineers, LN QA monitors, and expatriate staff;
- Associate project goals to core principles outlined for USAID engagement: (1) increase Afghan ownership and capacity, (2) contribute to stability and confidence and (3) ensure project is effective both programmatically and cost-wise.

2.3 Design Activities

Tt manages the preparation of detailed engineering studies, assessments, designs, plans, specifications and cost estimates and ensures that they comply with appropriate national and international standards to reflect USAID best practices including:

- Design of complex activities in support of OEGI;

- Provision of limited scope or short-term services involving preparation of preliminary or final drawings, sketches, plans, aerial photographs and other topographical or geological data used to plan and review projects; and
- Analysis and evaluation of designs, drawings, specifications, cost estimates, schedules and lists of equipment requirements to inform and make recommendations to USAID regarding assistance commitments for activities;
- Preparation of specific QA Plans.

2.4 Technical Support and Consulting Services to USAID

Tt AESP provides engineering and project management support to USAID under this contract and provides engineering guidance to contractors and grantees in accordance with the terms of the contract including:

- Provide technical advice to industrial and managerial personnel regarding design, and/or program modifications and structural repairs.
- Provide expert technical oversight to implementing staff, keeping OEGI, PRT, Office of Social Sector Development (OSSD) and the contracting officer (CO) informed of work progress.
- Provide technical support for procurement processes, including evaluation of implementing partner's (IP's) request for bids, proposals, quotes, and contract modifications.
- Prepare or review reports and recommendations regarding the general arrangements, viability and cost effectiveness of capital plans and processes as to validity and economy of work plans, and for changes, additions, or revisions in project activities.
- Monitor adequacy and acceptability of delivered goods and services under approved activities including equipment installation, training activities through field inspections, reviewing contractor reports, and meeting project personnel and implementer representatives.
- Develop solutions to complex project and program A-E challenges unresolved by USAID IP.
- Provide construction inspection and surveillance services in accordance with the approved QA Plans.
- Provide value engineering services.
- Provide technical assistance to the Contracting Officer's Representative (COR) in responding to proposed changes in OEGI's Contracts, SOWs, the validity of claims, and the reasonableness of contract time extensions.
- Provide appropriate technical assistance to the COR in issuance and negotiations of change orders in accordance with procedures.
- Perform administrative responsibilities including, but not limited to, activities such as drafting project implementation letters, preparing action memorandum and reports, estimating expenditures, reviewing payment vouchers, responding to audits, assessing claims, writing Justification for Other than Full and Open Competition (JOFOC) and performing other related activities.
- Provide Quality Assurance (QA) services, as required.

2.5 Quality Assurance Services

Tt AESP monitors the implementation of construction projects by other contractors and grantees through site visits by qualified engineers. Monitoring includes visual inspection of work at the site as well as inspection of the IPs' testing facilities, procedures, and results. The engineering monitors check the IPs' work to ensure compliance with the approved Quality Control (QC) Plan, QA Plan, and pre-determined technical standards and construction schedules.

QA tasks include but are not limited to the following:

- Regular on-site inspections of projects. During the inspections, the QA process:
    - Verifies and ensures that the quality of materials used meet contract specifications;
    - Verifies the correctness of the quantities used;
    - Monitors sampling and testing procedures, including testing frequency, and reports failed tests to concerned parties for corrective action;
    - Verifies the quality of construction/installation work and ensures conformity to contract design plans, specifications, and requirements;
    - Monitors progress of work against the approved construction schedule, reports deviations and their causes, and recommends corrective actions;
    - Reports on the safety conditions on project sites, contractor's facilities, and identifies violations of safety regulations;
    - Monitors safety violations and follows-up on corrective actions; and
    - Verifies security incident reports, weather problems and any other events that could affect the construction schedule in a timely manner.
- Substantial Completion Inspection: Upon substantial completion of construction/rehabilitation activities, the QA monitor, along with representatives from USAID and the relevant Ministry, shall inspect the project and develop a punch list of items requiring remedial work before final inspection and acceptance.
- Punch List Verification Inspection: When the IP informs the QA monitor that the punch list activities are completed, the QA monitor, together with representatives from USAID and the relevant Ministry will conduct an inspection and verification of punch list remediation activities. During the inspection, parties will determine whether the punch list items have been corrected satisfactorily, or if they require additional work.
- Final Inspection and Acceptance: After all punch list activities have been corrected, the Contractor together with USAID and the relevant Ministry representative will conduct a final inspection of project activities including the punch list items. If parties are satisfied that all punch list items have been completed, USAID and the Government of the Islamic Republic of Afghanistan will sign the handover certificate.
- Final Warranty Inspection: When there is a warranty period, the QA monitor, together with USAID and the relevant Ministry will conduct a final warranty inspection near the end of the warranty period. Following this inspection, full and final responsibility will then be transferred to the relevant Ministry.

2.6 Capacity Building

USAID has a commitment to assist in the development of capacity in Afghan organizations and individuals through their participation in USAID awards. To that end, Tt has included LN program staff, LN engineering staff, and Afghan organizations as subcontractors, where possible. The expatriate staff works closely with the LN staff to develop their skills including project management, project workflow, AutoCAD, construction management, contracts, and technical writing.

Tt continues to use US Afghan Consulting and Construction (USACC), an Afghan multi-disciplined engineering and construction services firm, to provide engineers to work in the Tt AESP office as dedicated sub-contracted staff. This allows the local engineering firm's employees to gain valuable experience and to share experiences with the Tt expatriate staff.

Additional capacity building activities have been identified to be implemented as WOs. These include activities such as internships for female university students, field trips to local construction sites to provide real world examples of engineering projects, and formation of a local chapter of a professional society program; the Project Management Institute. Section 5.5 provides additional discussion about ongoing and proposed capacity building activities.

2.7 Gender Equality

In support of USAID's commitment to gender equality for Afghan woman, Tt employs LN women as part of our engineering and professional staff. To date, Tt has employed three (3) civil engineers, an electrical engineer, and an architect. In addition, Tt AESP maintains an active Afghan Women Intern Program for engineering and related disciplines for local university students. Tt expatriate and LN engineering and professional staff work closely with the Afghan women university students to develop their skills including project management, project workflow, AutoCAD, construction QA, and technical writing.

2.8 Collaboration/Coordination with Appropriate Stakeholders

Tt collaborates and coordinates with appropriate stakeholders when directed by the COR. In the past, this has included the following entities: International Security Assistance Force (ISAF), US Military, key Afghan ministries [e.g. Ministry of Finance (MoF), Ministry of Foreign Affairs (MoFA), Ministry of Public Works (MoPW), Ministry of Transport and Civil Aviation (MoTCA), and Ministry of Energy and Water (MEW)], Da Afghanistan Breshna Sherkat (DABS), provincial officials, donors, NGOs, communities, and others as identified by WO requirements. AESP will continue this effort through the end of the WO as directed by USAID.

3.0 Closeout

During Year 6, Tt AESP will maintain a core staff with valuable institutional knowledge, with the anticipation that USAID will be pursuing similar work at the end of the current extension. This will permit Tt to provide appropriate LOE to the existing WOs for Year 6, as well as allow a smooth transition should USAID require additional A-E services in the future. In parallel, Tt will create a closeout checklist and process. Closeout activities will include the demobilization schedule, short-term technical assistance (STTA) closeout specialist schedule, and temporary relocation of work activities nearing closeout. The closeout plan will be submitted to USAID for review and concurrence.

4.0 Program Staffing

4.1 Overview and Management

Since the submittal of the Year 5 Work Plan on August 25, 2013, USAID has issued two contract modifications (MOD 22 and MOD 23). MOD 22 revised the mix of labor categories and estimated LOE of the Task Order and MOD 23 added an additional year of time and funding to the program.

Figure 4.1 graphically presents an organization chart depicting the key personnel and long term technical assistance (LTTA) mid- and junior-level staff assigned to the AESP in the proposal for Year 6. LTTA, STTA and reach back support personnel supplement the work effort as necessary.

4.2 In-Country A-E Staff

4.2.1 Expatriate

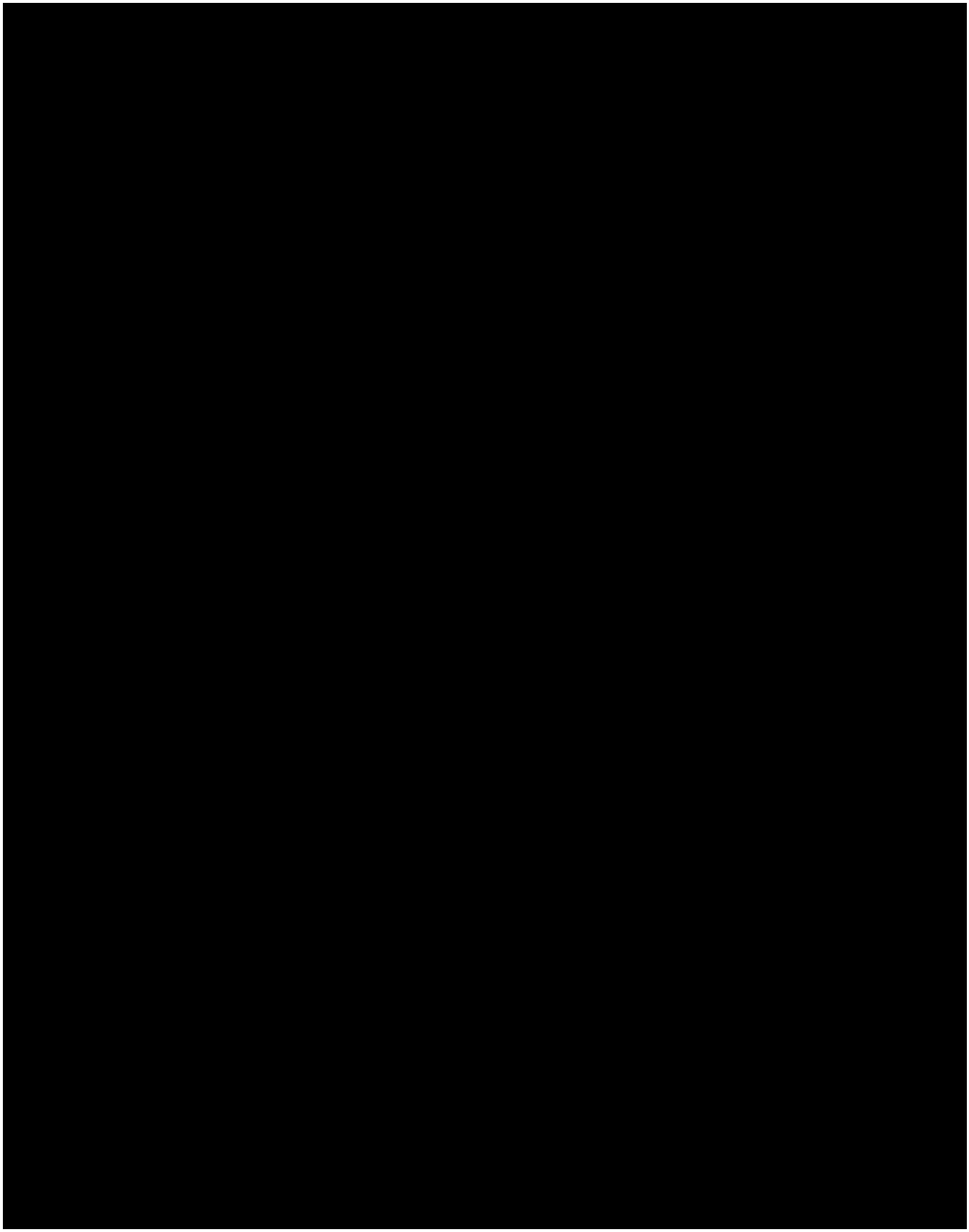
Our in-country team is led by the Chief of Party (COP), who has full authority to execute the program and respond to the needs and directives of OEGI.

Tt reduced expat staff during Year 5 in expectation of closeout. However, since AESP has been extended one more year, management has put in place a plan to rebuild expat staff. Table 4.1 Staff Plan shows the addition of nine expat staff while maintaining previous local national staff LOE. It may be necessary, however, to increase the expat staff by one and local national staff by two to accommodate new work orders in connection with quality assurance, monitoring and evaluation services. Any future adjustments to the AESP LOE will be made through future Task Order Modifications.

In support of USAID's engagement in Afghanistan, the AESP work plan called for the Deputy Chief of Party (DCOP) position to be filled by a LN. Since Year 3, a qualified LN has served as the DCOP. Either the Senior Project Manager or Technical Services Manager will fill a dual role as the expatriate DCOP to continue to provide ongoing mentoring for the LN DCOP. The AESP program will continue its' commitment to preparing engineering professionals of all levels in support of USAID's mission of increasing Afghan ownership capacities.

The organization chart shows several expatriate staff positions that were included in the initial contract. Management of Information Systems Manager/Technical Writer, (MIS Manager), who prepares the status reports and deliverables associated with applicable WOs, was included. In addition, a Contracts/Procurement Manager and a Finance Manager provide administrative oversight and support the daily functions in Kabul. In Year 6, however, Tt plans to combine the Contracts and Finance Manager positions into one Operations Manager position.

Table 4.1 Staff Plan



Local National Staff

In support of Tt's capacity building program, 31 LN positions (both full time and part time) were included in the initial work plan. These included junior architects and engineers, administrative, finance and information technology (IT) personnel, and several facilities support staff.

During Year 6 project focus will continue to be on the Energy sector. As the project nears its end date, a realignment of staff will be performed to ensure adequate levels of effort for the current WO requirements, as well as providing adequate resources and closeout procedures. See Table 4.1 for specific staffing assignments.

In addition to providing capacity development through hiring full-time staff through direct subcontracts, an important component of the AESP is the partnering component with Afghan firms both to develop much-needed local capacity and to address local challenges. Throughout the project, Tt collaborated with SMART Engineering Team (SMART) and USACC. In Year 6 of the AESP, Tt will continue to collaborate with USACC, but involvement is expected to be curtailed as the work load diminishes. Local subcontracted specialties such as geotechnical and surveying services will continue as needed for applicable work within WOs.

Tt will continue its efforts to collaborate with local educational entities to provide transfer of knowledge opportunities to further the capacity of local male and female engineering students and professionals.

4.3 In-Country Support Services

In-country support services consist of security, contracts and procurement, IT, and administration. There have been no substantial changes since the outset of the AESP. The following identifies in-country support services provided under the AESP.

- To ensure that our staff can work safely throughout the country, security for Tt is provided by GardaWorld (GW) as described in the Operational Security Plan, Version December 8, 2014 The Operational Security Plan will be reviewed as the security situation continues to evolve. The current contract will remain in force until November 8, 2015 The Afghan Public Protection Force (APPF), became a part of the Tt AESP security program during Year 4, and will continue to be engaged through Year 6. Directives from the local government and USAID will be incorporated into the security plan as needed.
- Contracts and procurement staff support the AESP program with the following activities:
  - Provide guidance to contractors/grantees as requested by OEGI;
  - Provide support for procurement processes, including evaluation of contracts, and contract modifications;
  - Provide assistance to the COR in issuance and negotiating of change orders; and
  - Writing JOFOC.
- IT staff provides appropriate technology solutions as required supporting ongoing operations. The staff consists of two LN IT specialists, who bring a wide array of systems engineering, technical support, and network operations skills to the program. They were recruited in part for their familiarity with sound industry standard procedures.
- Administrative staff assists the in-country staff with document production, travel coordination, and other administrative tasks.

4.4 Home Office

4.4.1 Technical Support

Home office technical reachback provides a cost-effective means of accessing essential and unique engineering expertise (such as geology, seismology, environmental, and structural engineering) needed for accurate and high quality project designs. The office resource base consists of over 14,000 architects, engineers, and other technical support professionals spanning 50+ technical and management disciplines. The home office technical support manager will continue to provide day-to-day support to the COP on requirements for technical home office support and STTA staffing needs. To date, more than 370 people have been approved by USAID and are available to provide reachback support as needed on the AESP.

4.4.2 STTA Staff Coordination

Technical specialists from the US are utilized as in-country STTA support staff for short term (typically 2 to 6 week) assignments to augment the in-country team as required. The STTA support staff approach provides the ability to respond to specific needs and to focus on complex technical issues and staff surge requirements.

4.4.3 Administration and Personnel Support

Overall project administration and personnel support is provided by the home office. This includes human resources for expatriate staff, deployment support, and financial management. LN personnel administration and support is provided by the Tt office in Kabul. The COP provides day-to-day project administration.

4.5 Assignment Staffing

Depending on the type of work, reachback support, STTA staff, or special local consultants may be required. Tables 4.2 to 4.6 present the anticipated source of staffing for the various types of activities described in Sections 2.2 to 2.7. To the extent practical, Year 6 will allow work to be completed by in-country expatriate and LN staff.

Figure 4.1 Tt AESP Organization Chart

In Country Management and Staffing, Kabul

Home Office

Table 4.3 Energy Sector Assignment Staffing

Activity	Activity Type	Sub-Activity	In-Country Staff	Tt Reach Back	Specialty Consultant Reach Back	STTA Technical Assistance	Special Local Consultant
A. Planning Activities							
	Electrical Generation Master Planning			x	x		
	Load Studies			x	x		
B. Design Activities							
	Support Vertical Structure Design						
		MEP Design Review	x	x			
		HVAC	x	x			
		Plumbing	x	x			
		Fire Protection	x	x			
		Fuel and Gas Piping	x	x			
		Site Electrical	x	x			
		Power Distribution	x	x			
		Standby Power Systems	x	x			
		Solar Photovoltaic Systems	x	x			
		Interior Lighting	x	x			
		Site Lighting	x				
		Internal Building Telecommunications	x	x			
	Power Distribution						
		Medium Voltage Public Distribution			x	x	x
		Secondary Substations			x	x	x
	Generation and Transmission						
		High Voltage Transmission Lines			x		
		Primary Substations			x		
		Power Generation (Power Plants), Oil & Gas			x		
		Generation (Power Plants), Micro-Hydro, Wind & Solar			x	x	x
		Utility Management Practices, Tariff Analysis, Regulation		x	x		
		Economic Growth Analysis		x	x		
	Roadways						
		Roadway Lighting	x				
	Communication Infrastructure						
		Site Outside Plant		x			
		Local Communications Switch Facility		x		x	
		Communications Public Distribution		x		x	
C. Technical Support Oversight							
	General Technical Support in Energy		x	x			
D. Capacity Building							
	Development of Afghan Energy Organizations and Professionals		x				
	Attend Professional Conferences		x				
	Participate in Professional Societies		x				
E. Collaboration/Coordination with Appropriate Stakeholders							
	General Tt Collaboration/Coordination with Appropriate Stakeholders		x				
	Attend Implementing Partner Meetings		x				
	Attend Inter-Ministerial Committee Meetings		x				

Table 4.4 Vertical Structures Sector Assignment Staffing

Activity[a]	Activity Type	Sub-Activity	In-Country Staff	Tt Reach Back	STTA Technical Assistance	Special Local Consultant
A. Planning Activities						
	Vertical Structures Master Planning					
		Site Utilization Studies	x	x		
		Site Master Planning	x	x		
		Land Use Study Agency Board Processing	x	x		
		Site Selection Studies	x	x		
B. Design Activities						
	Pre-Design Service					
		Project Programming	x	x		
		Project Development Scheduling	x	x		
		Agency Consulting and Review	x			
		Existing Facility Survey and Evaluation	x			
		Facility Planning Study	x			
		Feasibility Study	x	x		
	Architectural Design					
		Architectural Programming	x	x		
		Conceptual Design/Schematic Design	x	x		
		Design Development	x	x		
		Construction Documents	x	x		
		Construction Specification	x	x		
		Construction Cost Estimating	x	x		
		Landscape Design Coordination	x	x		
		Civil Engineering Design Coordination	x	x		
		Engineering Design Coordination	x	x		
		Code Compliance Study	x	x		
		Control and Phasing	x	x		
	Building Engineering Design[b]					
		Building Structural Design		x		
		Building Seismic Design		x		
		Building HVAC		x		
		Electrical	x	x		
		Plumbing		x		
		Fire Protection Design		x		
	Civil Engineering Design[c]					
		Sites up to 2-Acres	x	x		
	Bidding and Negotiation					
		Bidding Documents	x	x		
		Bidding Negotiation	x			
		Bid Evaluation	x			
		Construction Cost Assistance	x			
	Construction Administration					
		Construction Observation	x			
		Field Reports	x			
		Shop Drawings Review and Approval	x	x		

Table 4.4 Vertical Structures Sector Assignment Staffing, continued

Activity[a]	Activity Type	Sub-Activity	In-Country Staff	Tt Reach Back	STTA Technical Assistance	Special Local Consultant
		Change Order Monitoring and Processing	x			
		Application for Payment Review and Approval	x			
	Post-Construction Services					
		Startup Assistance			x	
		Record Drawings	x			
		Warranty Review	x			
	Miscellaneous Services					
		Graphic Design		x		
		Rendering		x		
		3D Modeling and Presentation	x	x		
		Presentations	x	x		
		Color, Signing System and Graphics		x		
		Model Making	x			
C. Technical Support Oversight						
	General Technical Support in Architecture		x	x		
D. Capacity Building						
	Development in Afghan Architectural Organizations and Professionals		x			
E. Collaboration/Coordination with Appropriate Stakeholders						
	General Tt Collaboration/Coordination with Appropriate Stakeholders		x			

a. Includes vertical structures and vertical structure support activities
b. Depending on the size and complexity of the project, Tt reach back assistance may be needed in providing some of the Engineering Services
c. Sites larger than 2 acres will be assigned to Local Staff, but Tt reach back assistance may be needed.

Table 4.5 Water and Sanitation Sector Assignment Staffing

Activity	Activity Type	Sub-Activity	In-Country Staff	Tt Reach Back	STTA Technical Assistance	Special Local Consultant
A. Planning Activities						
	Water and Sanitation Master Planning					
		Water demand and wastewater generation estimates	x			
		Identification and yield analysis of water supplies		x		
		Raw water quality	x	x		
		Potable water standards		x		
		Wastewater treatment standards	x			
		Service area delineation	x			
B. Design Activities						
	Water Treatment	Pre-treatment		x		
		Treatment		x		
		Disinfection		x		
		Storage		x		
		Instrumentation and controls		x	x	
		Plant start-up	x		x	
		O&M services			x	x
	Water Transmission & Distribution					
		Transmission mains	x	x		
		Distribution mains	x	x		
		Hydraulic modeling	x	x		
		Pump Stations	x	x		
	Wastewater Collection					
		Gravity Sewers	x	x		
		Force Mains	x	x		
		Pump Stations	x	x		
		Collection system modeling			x	
	Wastewater Treatment					
		Wastewater characterization		x		
		Flow monitoring	x	x		
		Pre-treatment	x	x		
		Secondary treatment	x	x		
		Tertiary treatment		x		
		Disinfection	x	x		
		Solids handling	x	x		
		Instrumentation and controls	x	x	x	
	Wastewater Operation					
		Plant start-up	X		x	x
		Training			x	x
		O&M Services			x	
	Construction Support					
		Construction Administration	X			x
		Field Inspection	X	x		x
		RFIs	X	x		

Table 4.5 Water and Sanitation Sector Assignment Staffing, continued

Activity	Activity Type	Sub-Activity	In-Country Staff	Tt Reach Back	STTA Technical Assistance	Special Local Consultant
		Record Drawings (As-Builts)	x	x		
C. Technical Support Oversight						
	General Technical Support in Water and Sanitation		x			
D. Capacity Building						
	Development in Afghan Water and Sanitation Organizations and Professionals		x			
E. Collaboration/Coordination with Appropriate Stakeholders						
	General Tt Collaboration/Coordination with Appropriate Stakeholders		x			

Table 4.6 Transportation Sector Assignment Staffing

Activity	Activity Type	Sub-Activity	In-Country Staff	Tt Reach Back	STTA Technical Assistance	Special Local Consultant
A. Planning Activities						
	Transportation Master Planning					
		Traffic Studies		x		
		Road/Interstate Analysis		x		
		Aviation Facilities Analysis		x		
		Railroad Analysis		x		
		Pedestrian Traffic Analysis		x		
		Multi-Modal Transit Analysis		x		
B. Design Activities						
	Road/Inter-province Analysis					
		Inter-province Design		x		
		Local Roadway Design	x			
		Intersection & Widening Improvements	x			
		Site Ingress/Egress Design	x			
		Site Circulation Design		x		
		Reconstruction and Improvements	x			
		Roundabout Design		x		
		Signal/Signage & Striping Design		x		
	Traffic Studies					
		Demand Forecasting Modeling		x		
		Site Circulation & Access Studies		x		
		Congestion Management Studies		x		
		Downtown/Urban Studies		x		
	Aviation Facilities					
		Public		x		
		Military		x		
	Railroad Analysis					
		Road Crossing/Intersection Design		x		
		Rehabilitation Design - Track/Bridges/Terminals			x	
		Signal Design			x	
		Terminals			x	
	Pedestrian Traffic Analysis					
		Traffic Flow Analysis		x		
		Site Circulation Design		x		
	Design for Construction					
		Traffic Control Plans	x			
		Site Inspections	x			
	Intelligence Systems					
		Operation/Safety & Efficiency Designs			x	
	Pavement Management					
		Survey of Conditions	x			x

Table 4.6 Transportation Sector Assignment Staffing, continued

Activity	Activity Type	Sub-Activity	In-Country Staff	Tt Reach Back	STTA Technical Assistance	Special Local Consultant
		Life Cycle Cost Analysis		x		
		Alternative Strategies & Costs		x		
	Capital Improvement Plans					
		Development of budgets & Prioritization	x			
		Program Implementation & Management	x			
C. Technical Support Oversight						
	General Technical Support in Transportation		x			
D. Capacity Building						
	Development in Transportation Organizations and Professionals		x			
E. Collaboration/Coordination with Appropriate Stakeholders						
	General Tt Collaboration/Coordination with Appropriate Stakeholders		x			

Table 4.7 Water Resources and Dams Sector Assignment Staffing

Activity	Activity Type	Sub-Activity	In-Country Staff	Tt Reach Back	STTA Technical Assistance	Special Local Consultant
A. Planning Activities						
	Water Resources Master Planning					
		Water Quality Assessments	x			
		Floodway Studies	x	x		
		Sediment Transport	x			
		Water Storage/Dam Studies	x	x		
		Stormwater Management/Master Drainage Studies	x			
		Source Water Protection	x	x		
		Designated Uses and Water Quality Standards	x	x		
		Disaster Prevention and Contingency Planning	x	x		
		Agricultural Runoff Assessments	x	x		
		Erosion Control Planning	x	x		
		Ground and Surface Water Hydrology	x	x		
		Wetlands Delineation	x	x		
B. Design Activities						
	Stormwater Management					
		Erosion Control Design/Best Management Practices (BMPs)	x			
		Agricultural Runoff Control	x			
		Flood Control	x	x		
		Infiltration Controls	x			
	River and Stream Restoration					
		Stream Channel Restoration	x			
		Habitat and Ecosystem Restoration			x	x
		Flow Control Structures	x	x		
	Water Storage Dam Design					
		Water Storage Volume	X	x		
		Watershed Area	X	x		
		Sediment Volume	X	x		
		Structure Design	X	x		x
		Spillway Design	X	x		
		Risk Assessment	X	x		
		Existing Dam Stabilization	X	x	x	
	Wetlands					
		Engineered Wetlands Design	x	x		
C. Technical Support Oversight						
	General Technical Support in Water Resources		x	x		
D. Capacity Building						
	Development in Water Resources Organizations and Professionals		x			
E. Collaboration/Coordination with Appropriate Stakeholders						
	General Tt Collaboration/Coordination with Appropriate Stakeholders		x			

5.0 Deployment

Figure 4.1 presents an updated AESP organization chart. During this sixth contract year, Tt will reduce the expatriate staff to an estimated 8 approved positions. Depending on the type of work; reachback support, STTA staff, or special local consultants may also be required.

6.0 Work Orders

6.1 Overview

WO procedures remain unchanged since the Year 5 Work Plan submittal on August 25, 2013. Tt's point of contact with USAID is the project COR or alternate contracting officer's representative (ACOR) when the COR is unavailable. Likewise, USAID's point of contact with Tt is the project COP, or the DCOP, when the COP is unavailable. To ensure smooth and strategic implementation of the project, it is critical that USAID and Tt always possess and share the same information and decision-making processes. To achieve this, our communication channels are open but limited to this single point of contact for WO initiation and approval. Tt communicates with USAID and other US Government (USG) entities through and in collaboration with the COR. Communication to Tt from USAID and other USG entities is channeled through our COP. This facilitates collaborative and focused planning that prioritizes and allocates resources consistent with the project mandate and the needs of the USG. Tt will remain cognizant of USAID's focus of project based AESP support.

6.2 Work Order Process Flow

WO requests are initiated by USAID through the COR or ACOR. The COR or ACOR advises the COP of a WO request. There are two types of WOs described in this TO, Administrative Work Orders (WO-A) and Long Term Work Orders (WO-LT). Refer to Figure 6.1 for an illustration of the WO process flow.

6.2.1 Administrative Work Order (WO-A)

A WO-A is a work order typically related to energy, water, wastewater, vertical structures, or transportation with the anticipated total LOE less than or equal to 18 workdays (144 work hours). WO-As include, but are not limited to, conducting site visits, review of plans and designs, logistical support for visits, drafting concepts, presentations, correspondence, and providing technical analysis. The COR (or ACOR) requests work under a WO-A to the COP. A typical requests outside of the five sector disciplines are addressed on a case-by-case basis. Tt confirms the WO request in writing to the COR and ACOR before commencing work as shown in Figure 6.1.

6.2.2 Long Term Work Order (WO-LT)

A WO-LT is a work order related to energy, water, wastewater, vertical structures, or transportation with the anticipated total LOE greater than 18 workdays (144 work hours). To implement a WO-LT, the COR (or ACOR) submits a WO request to the COP. The WO request includes a brief description of the requirements including the project background, objective, tasks, deliverables, timeframe, proposed LOE and proposed skill sets required.

Upon receipt of the WO request, the COP designates a project Technical Lead. From the WO request, the project Technical Lead prepares a WO proposal collaborating with the USAID Technical Point of Contact. The WO proposal includes the elements of the WO request and/or

any modifications proposed by Tt. The WO proposal also includes staffing and budget projections for expatriate staff, LN staff, sub-contractors, and reachback assistance. Upon review and approval from the COP, the WO proposal is transmitted to the COR and ACOR. The COR (or ACOR) reviews the WO proposal. Upon written approval of the WO proposal, the WO-LT is assigned a number for tracking purposes, and work can commence.

6.3 Additional Scope Requests

If a WO request is received that may be outside the SOW and detailed work requirements as described in Sections C.3 and C.4 of the Task Order, it is reviewed with the CO and COR so a WO-A, WO-LT or other contract mechanism can be authorized as appropriate.

6.4 Tracking

Per the Task Order, it is the joint responsibility of OEGI and Tt to track the budget over the course of the project. To aid in tracking, Tt assigns a number for each WO starting with 0001. WO-As are numbered using the prefix "WO-A-"(WO-A-0001, WO-A-0002, etc.). Similarly, WO-LTs are numbered WO-LT-0001, WO-LT-0002, etc. To facilitate the compilation of the LOE for related WOs, when a modification or extension to an existing WO is necessary an amendment is created to add additional scope. This facilitates budget and scope tracking of the project (and work order) level without opening an additional work order. The tracking process for year 6 will include the ability to track the budget for each amendment separately, allowing better resolution of budget issues.

Tt tracks progress and budget for each WO in a format agreed upon with OEGI and submits updates to the COR on a weekly basis. An example of the WO tracking sheet is provided in Appendix A (Active and Pending Work Order Status and Completed Work Orders). Additionally, Tt tracks hours, subcontractor costs, and expenses on all WOs and then reports them in the quarterly and annual reports.

6.5 Capacity Building

6.5.1 Tt AESP identified the following capacity building activities early in the project and continues to support them through Administrative Work Orders (WO-As) through Year 6. Technical Academic Resources

Tt will continue dialogue with the Deans of the Kabul University Engineering School, Kabul University School of Agriculture, and Kabul Polytechnic to present and individually introduce USAID and the various COPs through networking workshops. This provides the universities a venue to present their academic programs and discuss what they can offer in the way of training assistance, testing, and research. Inviting Afghanistan Technical & Vocational Institute (ATVI) to address the workshops is also a possibility.

6.5.2 Engineering Field Trips and Demonstrations

Tt will continue to develop training programs such as field trips to local construction and infrastructure sites to provide real world examples of engineering projects. Examples for potential field trip destinations include roadway construction projects, wastewater treatment projects, and power plants.

6.6 Long Term Work Orders to Promote Capacity Building

Tt will continue to support OEGI on long term work orders that are aimed at capacity building. The Afghan Women's Internship Program (WO-LT-0042) which received concurrence during

Year 3, will continue through Year 6 to provide internship opportunities for students at Kabul higher-educational facilities. Specifically, the Afghan Women's Internship Program provides opportunities for female students enrolled in engineering, architecture, and related programs at universities in Afghanistan to apply skills and concepts learned in a university environment to "real world" situations. While the program is centered on workplace interaction and training to expand the interns' capabilities, the overall focus is to promote gender equality and women's empowerment. The internship program will continue through Year 6.

In Year 6, the female AESP interns will be supporting the work order efforts, including the Gardez to Khost Road Phase Four, NEPS SEPS design implementation, SEPS completion, NEP-SEPS Quality Assurance Monitoring and Evaluation, and Tarakhil Power Plant Fire Suppression system by applying their acquired CAD experience and knowledge. On-going training will continue as dictated by USAID.

AESP will continue to support USAID's mission of developing local engineering professional's capacity and gender sensitive initiatives.

6.7 Completed, Pending, and Anticipated Work Orders

Table 6.1 presents an overview of WOs completed to date. More detail on completed WOs can be found in the quarterly reports previously submitted for Year 5 on March 24th and November 10th .

Table 6.2 provides a listing of current or pending WOs. Significant pending work orders include the following:

- WO-LT-0091 SEPS Completion – This work order will prepare studies and designs for the completion of unfinished electrical transmission lines, distribution and substations in the Helmand and Kandahar provinces. The work will also include the SEPS connection to the NEPS-SEPS transmission lines running from Arghandi to Kandahar East;
- WO-LT-0090 Interim USAID QA Services – This work order will provide ongoing QA (quality assurance), monitoring and evaluation services for the implementation of the NEPS-SEPS connection between Kabul and Kandahar, and other projects in the NEPS and SEPS;
- WO-LT-0083 – This work order will evaluate the cost benefit PTEC programs, evaluate various strategies to improve diesel power plant efficiency in the SEPS, and develop a cost effective strategy to develop solar power in the SEPS; and,
- WO-LT-0070 Amendments 4 and 5 – These work order amendments will upgrade SCADA controls at the Tarakhil Thermal Power Plant in Kabul and evaluate alternative fuel sources that may improve the Tarakhil LCOE efficiency.

The following data is the estimated Year 6 projections for WOs in each of the five sectors based on the trend from the completed WOs to date and the remaining LOE on WOs in progress. The latest contract modification added an additional $9,015,984.00. This additional funding brings the TO ceiling to $72,000,000.00. The expected work sector distribution in Year 6 is as follows:

- Energy – 70%
  The level of effort in the energy sector will continue to grow in Year 6 due to USAID and other donors working in Afghanistan to secure additional electricity supplies through new generation and imports. The focus to improve quality of supply to existing

customers and to increase access to electricity for populations currently not yet served will make up the majority of work orders in Year 6. Efforts will focus on power generation and distribution systems in the southern and central regions of Afghanistan. Activities will include electrical design of new substations and transmission lines, rehabilitation of existing energy sector facilities, support of local energy companies (i.e. DABS), assistance with bid package creation, and implementation of QA/QC procedures.

- Transportation – 10%
  In Year 6, Tt will shift its focus from infrastructure to capacity building, technical assistance, construction management and oversight, and high-level support.

- Vertical Structures – 5%
  The Vertical Structures sector work not only includes architectural and structural engineering services but also includes site civil design, MEP (Mechanical, Electrical and Plumbing), and on-site water, seismic retrofit and sanitation design. Tt will continue to support the Vertical Structures administrative WO, drawing reviews and technical support during Year 6.

- Water Resources and Dams – 0%
  OEGI has not identified any projects in this sector for Year 6.

- Water and Sanitation – 0%
  Although there is no work specific to this particular sector projected for Year 6, most of the water and sanitation related work is projected to be done on vertical structures projects and is included in that forecast above.

- Miscellaneous Technical Support – 10%
  Under the AESP contract, Tt will provide various technical support services through Year 6 such as capacity building, Project Management Professional training and testing support (WO-LT-0066), operations and management cost budgets (Pending WO-LT-0074), scheduling support, construction oversight and QA. Tt will continue to provide the mentioned services and any additional support as directed by USAID.

- Outreach Support – 5%
  Tt will support the OEGI Outreach Coordinator by capturing and promoting the sustainable and developmental works that USAID has accomplished and how it makes a difference in the quality of life for the LN's. The support will consist of video, written products and images as directed by the OEGI Outreach Office.

Figure 6.1 Work Orders Process

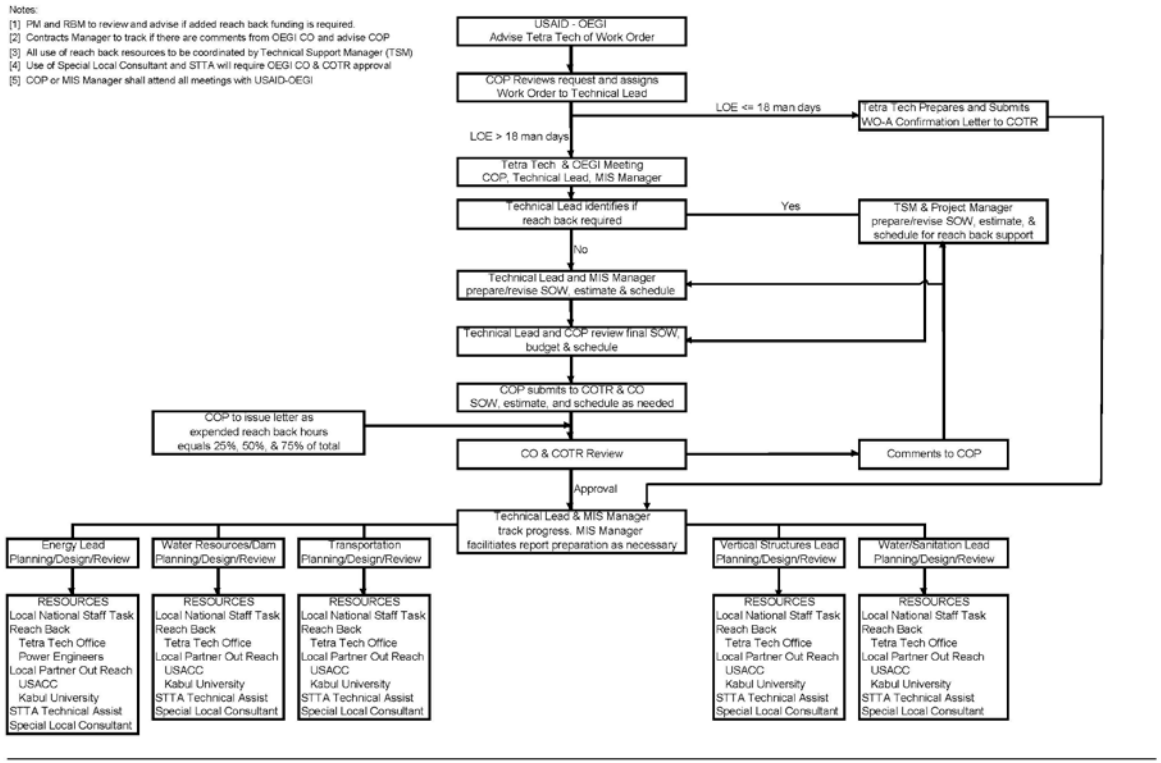


Table 6.1 Completed Work Order

Water Resources	Vertical Structures	Transportation	Multi-Disciplinary
		Water and	Technical

Table 6.2 Completed Work Orders

	Work Order Number	Description	Complete Date
W/S	WO-A-0001	Review Kabul Water Study	1/17/2010
W/S	WO-A-0001A	Review of Kabul Water MTP-1 Bid Docs	3/16/2010
VS, E, & W/S	WO-A-0002	Review of AUAF Master Plan Infrastructure	1/6/2010
VS, E, & W/S	WO-A-0002A	AUAF Master Plan Rev & SOW/ROM	2/6/2010
W/S	WO-A-0003	GBHS Sanitation	2/22/2010
E	WO-A-0004	GBHS Electrical	2/15/2010
W/S	WO-A-0005	GBHS Water Supply	2/22/2010
W/S	WO-A-0006	Sardar GHS Sanitation	2/22/2010
E	WO-A-0007	Sardar GHS Electrical	2/15/2010
W/S	WO-A-0008	Sardar GHS Water Supply	2/22/2010
E	WO-A-0009	Integration of Nangahar into	5/11/2010
TS	WO-A-0010	Review of BS-25 Draft Position	4/11/2010
E	WO-A-0011	HFO Feasibility for Tarakhil Power Plant	4/26/2010
TS	WO-A-0012	Position Advertisement	3/7/2010
E	WO-A-0013	Third Party MEP Review of IOM 20 Bed Hospital	3/14/2010
TS	WO-A-0014	Construction Equipment Costs	2/25/2010
E	WO-A-0015	MOT Electrical	5/10/2010
VS	WO-A-0016	AUAF Board of Trustees	4/19/2010
VS	WO-A-0017	Faculty of Education	4/19/2010
WR	WO-A-0018	Dam #1 Review for Pul-e-	5/2/2010
WR	WO-A-0019	Dam #2 Review for Pul-e-	5/2/2010
E	WO-A-0020	SEPS Additional Work	4/18/2010
VS	WO-A-0021	MoEW VTC Rehab Drawing	4/20/2010
VS	WO-A-0022	50 Bed Wmn Hosp Drawing	4/12/2010
TS	WO-A-0023	Data Collection for Afghan Contractors Capacity Building	8/22/2010
TS	WO-A-0024	Afghan First COP Meetings	3/20/2012
WR	WO-A-0025	Kajaki Dam	6/2/2010
E	WO-A-0027	National Electric Distribution Work Unit Quantity Model	7/10/2010
VS	WO-A-0028	IOM 50 BH Samangan Geotech Review	4/21/2010
VS	WO-A-0029	CHEF PTTC Drawing Review	4/29/2010
VS	WO-A-0030	ISD-DGA Proposal Review	4/28/2010
VS	WO-A-0031	100 BH IQC Comparison ROM	5/7/2010
WR	WO-A-0032	Pul-e-Khumri Cost Estimate	6/2/2010
VS	WO-A-0033	MoPH Complex Structural Design Review	6/8/2010
WR	WO-A-0034	Kajaki Dam SOW	7/6/2010
VS	WO-A-0036	AUAF 3D CDR Presentations	6/12/2010

Water Resources	Vertical Structures	Transportation	Multi-Disciplinary
		Water and	Technical

Table 6.2 Completed Work Orders

	Work Order Number	Description	Complet Date
T	WO-A-0037	Doshi to Salang Tunnel Pavement Design Review	7/11/201
E	WO-A-0038	Execution Plan for RC-East and Nangarhar Elec Power	10/9/201
WR	WO-A-0039	Kajaki Dam Cost Review	10/9/201
TS	WO-A-0040	Power Point Presentation	6/15/201
VS	WO-A-0042	AVIPA Processing Plant Review	8/8/2010
WR	WO-A-0043	Shahtoot and Sarobi II Dam	10/9/201
VS, E, & W/S	WO-A-0044	Kabul University DFAC and Laundry 35% Design Review	7/25/201
T	WO-A-0045	Chagcharan Airport Site Visit	10/19/201
E	WO-A-0046	Jalalabad Elec Power	2/10/201
T	WO-A-0047	Technical Review Maimana & Faizabad Airport	11/2/201
TS	WO-A-0048	Action Memo SGFDP	7/31/201
WR	WO-A-0049	Badakshan Bridge Independent Review	10/19/201
TS	WO-A-0050	USAID DVD/CD Filing	10/13/201
VS	WO-A-0051	MOT Electrical Phase II Drawing Review	11/15/201
E	WO-A-0052	NEPS-SEPS Connection Review	10/9/201
E	WO-A-0053	ACEP Report Review	1/4/2011
E	WO-A-0054	NLCC 30% Electrical Design	9/6/2010
VS	WO-A-0055	NLCC 90% Design Review	10/9/201
E	WO-A-0057	NEPS-Kandahar Construction	10/9/201
TS	WO-A-0058	Afghan Standardization	12/20/201
E	WO-A-0059	Parwan Road Village	7/30/201
W/S	WO-A-0060	Embassy Biodigestion Study	11/16/201
WR	WO-A-0061	Bamyan Dam Study	12/12/201
VS	WO-A-0062	FOHE Schematic Design Review	10/17/201
WR	WO-A-0063	Topchi Hydropower Plant Canal Review	12/12/201
E	WO-A-0064	Sufyane Village Electrification	7/30/201
TS	WO-A-0065	Pre-Award Survey of Afghan Construction Companies	11/18/201
VS	WO-A-0066	Sardar Roof Design Review	1/19/201
VS	WO-A-0067	Ghazi Admin Bldg Design	4/18/201
TS	WO-A-0068	USAID Plan Filing	3/16/201
VS	WO-A-0069	Construction Principles	2/10/201
VS	WO-A-0070	100% NLCC Design Review	2/10/201
VS	WO-A-0071	PTTC Water Tower Review	2/10/201
TS	WO-A-0072	File Transfer Services	1/31/201
VS	WO-A-0073	Roof Framing Design for Sardar Girls High School	3/12/201
VS	WO-A-0074	Insulation Materials Technical Comparison	3/16/201
T	WO-A-0075	Khost-Gardez Highway Failure Investigation	7/17/201

Water Resources	Vertical Structures	Transportation	Multi-Disciplinary
		Water and	Technical

Table 6.2 Completed Work Orders

	Work Order Number	Description	Complete Date
T	WO-A-0076	Kabul Road Preliminary Costing	6/19/201
TS	WO-A-0077	KHPP Environmental Services	3/24/201
TS	WO-A-0078	Kajaki Unit 2 Assessment	12/20/201
E	WO-A-0079	Tarakhil O&M Estimate	12/13/201
E	WO-A-0080	Gas Pipeline Pre-Feasibility	2/22/201
T	WO-A-0081	K-K Bridge Calculations Review	1/4/2012
E	WO-A-0082	SEPS Technical Services	12/7/201
VS	WO-A-0083	Review of Sardar GHS Fire	1/31/201
VS	WO-A-0084	Sardar GHS Fire Door Suppliers and Cost Estimates	4/10/201
W/S	WO-A-0085	GBHS Winter Operations	4/24/201
TS	WO-A-0087	STFS Support	2/21/201
TS	WO-A-0088	Regak Bridge QA	2/12/201
TS	WO-A-0090	Tarakhil Fire Suppression Component Analysis	6/4/2013
TS	WO-A-0096	Badakhshan Technical Assistance	6/26/201
	WO-A-0097	Deh-Asuda Check Dam	9/16/201
VS	WO-LT-0001	Regional and Provincial Training Centers Concept and Final	4/10/201
VS, E, & W/S	WO-LT-0002	AUAF Concept Design	8/5/2010
W/S, E	WO-LT-0004	MoPH Design Management: Extension of Staff Services &	6/1/2011
W/S, E	WO-LT-0005	GBHS Utility Construction Documents	10/25/201
T	WO-LT-0007	QA Oversight SPR - Southern & Eastern Afghanistan	4/8/2012
T	WO-LT-0008	LAMPs for Maimana & Faizabad Airport	12/13/201
T	WO-LT-0009 AMD 1	PRT Field Support - Khost Bridge Final Design	11/26/201
T	WO-LT-0009 AMD 2	PRT Field Support - Bamyan Dam Sites Pre-Feasibility	4/21/201
T	WO-LT-0009 AMD 4	Matun and Lakan Crossings Conceptual Bridge Designs	11/26/201
E	WO-LT-0012	PK to Chimtala Transmission	11/6/201
VS	WO-LT-0013	Three Towers Project	12/14/201
VS	WO-LT-0014	VTC Green Design	5/12/201
VS	WO-LT-0015	Kabul University Technical Assistance	7/22/'201
E	WO-LT-0021	Selected NEPS Transmission Line Field Investigation	10/25/201
E	WO-LT-0022	Power Reliability Study (US Embassy, USAID)	3/13/201
E	WO-LT-0023	Afghanistan Electrical Transmission & Generation	3/27/201
E	WO-LT-0024	Kud Bergh (Mazar) 48MW Power Plant Field Investigation	3/25/201
E	WO-LT-0025	RC-East Villages Electrification	2/19/201

Water Resources	Vertical Structures	Transportation	Multi-Disciplinary
	Energy	Water and	Technical

Table 6.2 Completed Work Orders

	Work Order Number	Description	Complete Date
T	WO-LT-0029	Maimana and Faizabad Airport 3rd Party QA	10/15/2012
E	WO-LT-0030	Sherberghan 200MW Power Plant Feasibility Study	8/31/2011
E	WO-LT-0031	Concept Design for Three 20-kV	9/28/2011
TS	WO-LT-0033 AMD 1	USAID/OAA Claims Assistance	6/26/2012
TS	WO-LT-0033 AMD 2	UNOPS	7/2/2013
WR	WO-LT-0034	Topchi HPP Design Review	7/7/2011
E	WO-LT-0035	Afghanistan Electricity Sector Economic Study	11/6/2011
E	WO-LT-0036	Tarakhil PP Operational	8/31/2011
TS	WO-LT-0039	CHEF Environmental Site Assessment Services	9/8/2011
T	WO-LT-0041	MoTCA - Regional Airport	11/26/2012
E	WO-LT-0043	PTEC - Environmental Assessments	3/25/2012
E	WO-LT-0044	Bamyan Valley T & D Design	11/26/2011
TS	WO-LT-0045	Darunta Technical Services	3/17/2012
T	WO-LT-0049	Evaluation of MoPW Capacity to Conduct Roadway O&M	5/12/2012
E	WO-LT-0051	NEPS-SEPS Alternatives Study	2/22/2012
VS	WO-LT-0052	Annual O&M Cost Budgets	11/21/2012 2
E	WO-LT-0053	NEPS and NEPS - SEPS Connection Assessments	6/22/2012
E	WO-LT-0054	Reactive Power Compensation for PK to Chimtala	2/21/2013
E	WO-LT-0055	Darunta HPP Assessments	10/8/2012
VS	WO-LT-0056	Structural Engineering and Cost Estimating Services for Seismic	9/9/2012
VS	WO-LT-0057	Tarakhil Fire Suppression System Assessment	7/1/2012
E	WO-LT-0068	Nangarhar Hydro Load & System Studies	2/21/2013
T	WO-LT-0009 AMD 2	PRT Field Support - Bamyan Dam Sites Pre-Feasibility studies	4/21/2013
TS	WO-A-0090	Tarakhil Fire Suppression Component Analysis	6/4/2013
TS	WO-LT-0033 AMD 2	USAID, OAA Claims Assistance - UNOPS	7/2/2013
TS	WO-LT-0033 AMD 3	USAID, OAA Claims Assistance - IRD	9/3/2013
TS	WO-A-0093	Technical Assistance to US Embassy PP	11/4/2013
MULTI	WO-LT-0006 AMD 5	SKGHS Construction Administrative Services	11/4/2013
TS	WO-A-0094	Salang Tunnel Exhibit Support	12/2/2013

Water Resources	Vertical Structures	Transportation	Multi-Disciplinary
	Energy	Water and	Technical

Table 6.2 Completed Work Orders

	Work Order Number	Description	Complete Date
TS	WO-A-0091	DABS Technical Assistance	12/11/2013
TS	WO-A-0092	DABS CP Assistance Task2	12/11/2013
T	WO-LT-0074	Annual Road Operations and Maintenance Cost Budgets	N/A
TS	WO-A-0089	Salang Tunnel Substation Presentation	N/A
TS	WO-A-0095	AESP Evaluation	4/30/2014
T	WO-LT-0067	GK Road Value Engineering	5/22/2014
T	WO-LT-0009 AMD 5	RC North Project Evaluations	N/A
E	WO-LT-0009 AMD 6	RC East Project Evaluations	N/A
TS	WO-LT-0066	Training and Support	N/A
TS	WO-A-0096	Badakhshan Technical Assistance	N/A
E	WO-LT-0048	Engineering Study for 220kV Transmission Line	6/10/2012
E	WO-LT-0048 AMD 1	Engineering Study for 220kV Transmission Line from Dasht-	N/A
E	WO-LT-0048 AMD 2	Engineering Study for Adjustments to the Proposed Dasht-e-Barchi SS to Kandahar	N/A
E	WO-LT-0048 AMD 3	Transmission Line and Substations from Arghandi to	9/15/2012
E	WO-LT-0059 AMD 1	NEPS Distribution Materials and Installation Specification Development	4/29/2014
E	WO-LT-0059 AMD 2	NEPS Distribution Materials and Installation Specification Development	8/5/2014
E	WO-LT-0063	Salang Tunnel Substation	1/27/2014
E	WO-LT-0063 AMD 1	Salang Tunnel SS Technical Sections	$41,844
E	WO-LT-0063 AMD 2	Salang Tunnel SS Technical Sections	N/A
E	WO-LT-0063 AMD 3	Salang Tunnel SS Technical Sections	9/21/2015
E	WO-LT-0063 AMD 4	Salang Tunnel SS Pre-purchase Specs	8/11/2014
E	WO-LT-0063 AMD 5	Salang Tunnel SS Survey and Geotech	12/17/2013
E	WO-LT-0070 AMD 1	Tarakhil Power Plant Water Piping System	8/3/2014

Table 6.2 Completed Work Orders

	Work Order Number	Description	Complete Date
E	WO-LT-0070 AMD 3	Tarakhil Power Plant Site Visit and Power Block "B" Control Assessment	4/22/2014
E	WO-LT-0083	Kandahar 10MW PV Plant	7/3/2014
TS	WO-A-0097	Deh-Asuda Check Dam	6/6/2014
T	WO-LT-0009	PRT Field Support	N/A
T	WO-LT-0077 AMD 1	Gardez to Khost Bridge No. 9 Survey and Geotechnical Services	3/26/2014
T	WO-LT-0077 AMD 3	Gardez to Khost Bridge No. 10- Scour Analysis and Foundation	10/13/2014
WR	WO-A-0098	Kabul Basin Aquifer Feasibility Study	11/30/2014
E	WO-LT-0070 AMD 3	Tarakhil Power Plant Site Visit and Power Block "B" Control	4/22/2014
E	WO-LT-0059 AMD 1	NEPS Distribution Materials and Installation Specification Development	4/29/2014
E	WO-LT-0059 AMD 2	NEPS Distribution Materials and Installation Specification Development	7/24/2014
E	WO-LT-0063 AMD 4	Salang Tunnel SS Pre-purchase Specs	NA
E	WO-LT-0079	Transformer Rewinding Facility Assessment	12/15/2014
E	WO-LT-0080	Meter Box and Low Voltage Distribution Panel Manufacturing Facility	12/15/2014
E	WO-LT-0081	Concrete Pole Manufacturing Facility Assessment	12/15/2014
E	WO-LT-0064	Sheikh Misri to Rodat T/L and SS Technical Sections	12/15/2014
T	WO-LT-0077 AMD 2	Gardez to Khost Bridge No. 9 Design and Bid Services	10/28/2014
T	WO-LT-0077 AMD 4	Gardez to Khost Bridge No. 10 Bridge and Roadway Redesign Services	10/28/2014

Water Resources	Vertical Structures	Transportation	Multi-Disciplinary

Table 6.2 Active and Pending Work Orders

Water Resources	Vertical Structures	Transportation	Multi-Disciplinary
	Energy	Water and	Technical

Sector	Work Order Number	Description	Status
E	WO-A-0099	SEPS Completion GFE Inventory	Open
T	WO-LT-0009	PRT Field Support	Open
TS	WO-LT-0042	Afghan Women Internship Program	Open
E	WO-LT-0048	Engineering Study for 220kV Transmission Line	Open
E	WO-LT-0059	NEPS System Protective Relay Coordination Studies	Open
E	WO-LT-0063	Salang Tunnel SS Technical Sections	Open
TS	WO-LT-0065	Media Assistance	Open
E	WO-LT-0070	Tarakhil Power Plan Water Piping System	Open
E	WO-LT-0078	Power System Analysis of Proposed NEPS Improvements	On Hold
E	WO-LT-0082	Engineering Support FoHE	Open
E	WO-LT-0083	Kandahar 10MW PV Plant	Open
T	WO-LT-0084	Gardez-Khost Phase 4	Open
TS	WO-LT-0086	Kajaki Dam Claims	On Hold
VS	WO-LT-0087	CEGADS Plan Review	On Hold
VS	WO-LT-0088	V/S Reconstruction Action Plan (RAP)	On Hold
VS	WO-LT-0089	Gardez and Khair Kot Hospital Mechanical QA services	Pending
E	WO-LT-0090	NEPS-SEPS Interim QA Monitoring and Evaluation	Pending
E	WO-LT-0091	SEPS Completion	Pending

7.0 Reporting and Deliverables

Tt will continue to provide accurate and timely reporting to USAID as specified in the TO and summarized below.

7.1 Work Plan

This document serves as the required work plan for the entire TO. It is intended to be a living document that will be reviewed and modified as the AESP evolves. Note that this revision updates the prior revision of August 25, 2013. The work plan includes items such as arrival dates, work activities, and long and medium term postings. It also includes a description of the Tt management structure, workflow, and overall program approach. The yearly work plan will become part of the TO.

7.2 Security Operation Plan

The Security Operation Plan (SOP) provides information on the personnel and physical security for TO. The SOP was submitted for review and approval by the COR under separate cover on December 12, 2009. Every six months, the SOP is updated and refined as local conditions change and as the project's security needs require refinement.

7.3 Performance Monitoring Plan

In accordance with the TO, a Performance Monitoring Plan (PMP) was submitted to and approved by the COR within 90 days of the Contract award. The PMP establishes performance indicators to measure the program's progress and accomplishments.

7.4 Weekly Meetings

Tt holds weekly meetings with the COR to discuss the AESP progress and resolve problems as required. Meeting minutes distributed to USAID and Tt staff record discussion and decisions through Year 6 will continue. Tt COP and COR will continue to communicate through email, cell phone, and meetings outside the weekly meetings to support project progression.

7.5 Quarterly Progress Reports

Quarterly progress reports are submitted 10 days after the end of the reporting period. Submission of this report follows the USG reporting schedule, which begins October 1. A fourth quarter report is not required as that information submitted is included in the annual report. Thus, reports are to be submitted on or before January 10, April 10, and July 10 of each year. To date, Tt has submitted final quarterly reports on February 23, 2010; May 6, 2010 and July 21, 2010 for activities in Year 1; January 26, 2011, April 19, 2011 and July 20, 2011 in Year 2; February 2, 2012, April 18, 2012 and July 22, 2012 for Year 3; January 12, 2013, April 6, 2013 and July 10, 2013 for Year 4. March 24, 2014, November 5, and January 10, 2015 for Year 5.

The quarterly reports summarize the progress of major activities during the period of performance, indicate if problems were encountered, and propose remedial actions as appropriate. The quarterly reports also include status updates for the WOs including the total hours utilized to date by individual WO and overall TO.

The Tt COP will notify the CO and the COR of problems, delays, or adverse conditions, which materially impair the team's ability to meet the requirements of the TO.

7.6 Reach Back Hours

USAID will be notified when 75% of the authorized total of reachback man-days have been expended. There are 1,442 reachback man-days authorized under the current TO Modification for Year 6. In Year 6, we anticipate utilization of the remaining reachback man-days.

7.7 Annual Work Plans

Annual work plans have detailed the work to be accomplished during the upcoming year. The sixth year work plan will be finalized 60 days prior to the end of the preceding year according to the USG reporting schedule. Accordingly, the Year 6 annual work plan should have been submitted during the month of August 2014. However, due to the impending close-out, a work plan was not submitted in August and is now being submitted in January 2015. The annual work plan may be revised, as needed, to reflect changes on the ground and with the concurrence of the COR.

7.8 Annual Report

An annual report of each fiscal year will be submitted 30 days after the end of the fiscal year on September 30. Thus, annual reports will be submitted on or before October 30 each year. The report will combine the activities of the four quarters and provide an assessment of the progress in achieving the annual objectives set forth in the annual work plans.

7.9 Final Project Report

At the end of the contract, Tt will prepare a final project report. The final report will be drafted to show the incremental improvements in the process, both generally within USAID and specifically with respect to this TO. The final report will contain the following information:

- Specific objectives of the program;
- Activities undertaken to achieve program objectives;
- Results achieved by objective, including life-of-program reporting according to the PMP;
- Cost of efforts by sector;
- Actions taken to leverage resources and to ensure the continuation and sustainability of program objectives and the effectiveness of these actions;
- Recommendations regarding unfinished work and/or program continuation; and
- Lessons learned over the course of the program and recommendations for other related programs.

7.10 Other

Tt prepares periodic success stories and other outreach materials that can be utilized by Tt and USAID as appropriate. Tt LN and intern staff may shadow the OEGI local staff as determined appropriate.

Appendix A

Sample Work Order Tracking Sheet

ACTIVE AND PENDING WORK ORDER STATUS

Afghanistan Engineering Support Program (AESP)

IQC: Task Order 01 - EDH-I-00-08-00027-00

USAID Technical Office: USAID/Office of Economic Growth and Infrastructure (OEGI)

January 26, 2015

Program Type	Work Order Number	Work Order Title	Estimated Total Cost	Weekly Summary and Action Items	USAID Technical POC	Tetra Tech Technical POC	Status	Work Order NTP Date
WO-A: Administrative Work Orders (Work Orders with anticipated level of effort of 18-workdays or less)								
E	WO-A-0099	SEPS Completion GFE Inventory	N/A	Team mobilized 12/3/2014. Completed initial inventory of equipment. Tt finalized internal action plan submitted 01/05/2015 No action requested	Obitre-Gama	Mehri	Open	11/19/2014
WO-LT: Long Term Work Orders (Effort planned to be more than 18-workdays)								
E	WO-LT-0048	Engineering Study for 220kV Transmission Line	See Amendments	Work for active amendments ongoing. See Below See Below	Obitre-Gama	Yarmand	Open	3/11/2012
E	WO-LT-0048 AMD 4	Qarabagh to Kandahar East Substations	$152,000,000	Technical Scope of Work Rev1 submitted on 11/27/2014; Technical Section 6 for RFP w/RCP on 12/21/2014. Tt to submit PSS/E and excel pricing sheets USAID to coordinate RFP review	Obitre-Gama	Yarmand	Open	7/16/2014
E	WO-LT-0048 AMD 5	Transmission Lines from Ghazni to Kandahar East	$152,000,000	Tt submitted Draft RFP 10/9/2014; Rev1 Technical Spec Report on 11/17/2014; and Technical Section 6 for RFP on 11/25/2014 to USAID/DABS and Phoenix. No action requested USAID to coordinate RFP review	Obitre-Gama	Yarmand	Open	5/8/2014
E	WO-LT-0048 AMD 6	RPC At Kabul and Kandahar East	$52,400,000	Tt submitted Technical Spec Report 12/15/2014; and Technical Section 6 AMD4 addendum 12/21/2014. Tt to submit pricing sheets USAID to coordinate RFP review	Obitre-Gama	Yarmand	Open	7/16/2014
E	WO-LT-0059	NEPS System Protective Relay Coordination Studies	$1,510,000	Submitted Task 14 - RFP for Relay Settings Technical Sections on 04/02/2014. TT submitted DABS RFP#93 ICB 024 on 05/08/2014 to DABS and USAID. No action requested USAID to advance coordination of RFP w/DABS	Wardak	Yarmand	On Hold	12/18/2012
E	WO-LT-0059 AMD 3	NEPS Kabul North, Northwest, and MW Radio Substation Assessments	TBD	Task 2 Assessment and Recommendations Report submitted on 11/17/2014. NTP received on 12/10/2014 for remainder of work order. Tt Preparing request for SOW/ROM revision No action requested	Wardak	Yarmand	Open	7/16/2014
E	WO-LT-0063	Salang Tunnel Substation	See Amendments	Work for active amendments ongoing. See Below See Below	Obitre-Gama	Yarmand	Open	10/22/2012
E	WO-LT-0063 AMD 4	Salang Tunnel SS Pre-purchase Specs	incl. in LT0063 A6	Pre-Purchase #1 and Pre-Purchase #2 Equipment bids received. Approval to Procure sent to DABS. No action requested No action requested	Obitre-Gama	Yarmand	Completed	9/24/2013
E	WO-LT-0063 AMD 6	Salang Tunnel SS Detailed Design	$14,745,000	Construction RFP Rev1 submitted to USAID/DABS 06/14/2014. USAID approval given to DABS for bid advertisement circa 12/22/2014. Bids are due by 02/17/2015. No action requested No action requested	Obitre-Gama	Yarmand	Open	10/28/2013
E	WO-LT-0070	Tarakhil Power Plant Water Piping System	$827,000	Tt submitted final technical documents 04/03/14. Goods RFP submitted to USAID and DABs on 06/28/2014; Construction RFP submitted to DABS on 07/03/2014. No action requested USAID to coordinate Goods and Construction RFP review with DABS	Wardak	Safai	On Hold	6/2/2013
E	WO-LT-0070 AMD 2	Firefighting Analysis	N/A	NTP received on 2/25/2014. Tt submitted final report 09/29/2014. Tt submitted separate Fire Brigade Training Documents on 01/19/2015. No action requested USAID to forward acceptance of submitted final report and brigade training docs	Wardak	Adli	Open	2/25/2014
E	WO-LT-0070 AMD 4	Tarakhil Power Plant Power Block A, B and C Controls Repair	N/A	Tt submitted revised SOW/ROM Rev3 10/12/2014, received NTP 10/20/2014. Tt submitted SCADA Tech Memo 12/01/2014. Tt revised the BOQ 01/08/2015. No action requested No action requested	Wardak	Yarmand	Open	10/20/2014
E	WO-LT-0070 AMD 5	Tarakhil Power Plant Alternative Fuel Source Study	N/A	Tt submitted SOW/ROM Rev0, 09/07/2014. USAID returned comments 09/08, 09/24 and 12/13/2014. Tt responds to USAID comments on 09/24 and 12/13/2014. Tt to revise and submit SOW/ROM No action requested	Wardak	Petti	Pending	
E	WO-LT-0070 AMD 6	Phoenix Support at Tarakhil	N/A	Tt submitted inventory list on 11/19/2014 and SCADA BOQ and Installation Diagrams on 11/26/14. Phoenix requested additional inventory support on 12/20/2014. No action requested No action requested	Wardak	Yunas	Open	9/15/2014
E	WO-LT-0070 AMD 7	Tarakhil Power Plant CMMS / SCADA Interface	N/A	Gene Lin requested SOW/ROM for development of a SCADA / CMMS Interface on 10/07/2014. Awaiting CMMS decision details from Phoenix COR to provide direction to develop SOW/ROM	Wardak	White	Pending	
E	WO-LT-0078	NEPS Kabul Area Distribution Master Plan	N/A	SOW/ROM for study of expansion of Kabul area MV distribution and associated HV system submitted on 02/24/2014. No action requested USAID to forward NTP for submitted SOW/ROM	Wardak	Petti	On Hold	

ACTIVE AND PENDING WORK ORDER STATUS

Afghanistan Engineering Support Program (AESP)

IQC: Task Order 01 - EDH-I-00-08-00027-00

USAID Technical Office: USAID/Office of Economic Growth and Infrastructure (OEGI)

January 26, 2015

Program Type	Work Order Number	Work Order Title	Estimated Total Cost	Weekly Summary and Action Items	USAID Technical POC	Tetra Tech Technical POC	Status	Work Order NTP Date
E	WO-LT-0083	Kandahar 10MW PV Plant	N/A	SOW/ROM_Rev1 submitted to USAID on 06/29/14. Final report submitted 07/03/2014. Tt sent evaluation form to USAID on 09/21/2014. No action requested COR to submit completed evaluation forms to Tt	Pieters	White	Open	5/10/2014
E	WO-LT-0083 AMD 1	Cost-Benefit Analysis of NEPS-SEPS	N/A	SOW/ROM submitted to USAID on 09/15/2014. No action requested COR to provide direction for SOW/ROM revisions	Obitre-Gama	White	Pending	
E	WO-LT-0083 AMD 2	Kandahar Area Design Optimilization with Turbo Generators	$5,000,000	Tt submitted SOW/ROM Rev1 09/07/2014 and received NTP on 11/06/2014. Task 1 Field Assessments completed. Tt to submit Task 2 Final Report No action requested	Obitre-Gama	White	Open	11/6/2014
E	WO-LT-0090	NEPS-SEPS Interim QA Monitoring & Evaluation	TBD	J. Kaufman COR requested development of a SOW/ROM for interim QA services for various NEPS-SEPS projects on 12/08/2014. Tt to develop and submit SOW/ROM No action requested	Obitre-Gama	Petti	Pending	
E	WO-LT-0091	SEPS Completion	$65,000,000	Gene Lin requested development of SOW/ROM on 09/24/2014. COR NTP for SOW/ROM received 10/29/2014. Tt submitted SOW/ROM on 01/19/2015. No action requested No action requested	Obitre-Gama	White	Pending	
TS	WO-LT-0042	Afghan Women Internship Program	N/A	Work for active amendments ongoing. See Below See Below	Katin	Farhad	Open	3/12/2012
TS	WO-LT-0042 AMD 3	Afghan Women Internship Program Academic Year 2014	N/A	Tt submitted revised SOW/ROM AMD 3 on 12/08/2014. COR provided notice of concurrence 12/13/2014. Interns graduated on 01/15/2015. Tt to submit final report No action requested	Katin	Farhad	Completed 01/15/2015	3/12/2012
TS	WO-LT-0042 AMD 4	Afghan Women Internship Program Academic Year 2015	N/A	Tt submitted AMD 4 SOW/ROM 12/18/2014; recieved USAID comments 12/20/2014. Tt submitted revised SOW/ROM 01/20/2015. No action requested No action requested	Katin	Farhad	Pending	
TS	WO-LT-0065	Media Assistance	N/A	Video support available. No action requested No action requested	Padjitt	Gifford	Open	11/6/2012
TS	WO-LT-0086	Kajaki Dam Claims	N/A	Received work order request from Kaufman on 07/14/2014. Tt submitted a SOW/ROM outline on 07/29/2014. No action requested COR to provide direction	Kaufman	Petti	On Hold	
T	WO-LT-0009	PRT Field Support	See Amendments	Work for active amendments ongoing. See Below See Below	Kaufman	Mehri	Open	8/6/2010
T	WO-LT-0009 AMD 7	Parun Road Field Support	$150,000	Tt submited As- built drawing and BOQ on 09/3/2014. Tt submitted final report 01/01/2015. Not action requested USAID to forward comments or acceptance of submitted final report	Roberts	Mehri	Open	
T	WO-LT-0077	Gardez-Khost-Bridge 9 and 10	See Amendments	Work for active amendments ongoing. See Below See Below	Noori/Leek	Moitozo	Completed 10/28/2014	3/11/2012
T	WO-LT-0077 AMD 2	Gardez to Khost Bridge No. 9 Design and Bid Services	$1,214,000 incl. in WO-LT-0084	Tt submitted corrected BOQ and Design Analysis on 12/14/2014. Tt sent evaluation form to USAID on 01/20/2015. No action requested COR to submit completed evaluation forms to Tt	Noori/Leek	Moitozo	Completed 10/28/2014	1/4/2014
T	WO-LT-0077 AMD 4	Gardez to Khost Bridge No. 10 Bridge and Roadway Redesign Services	$1,407,000 incl. in WO-LT-0084	Tt submitted corrected BOQ and Design Analysis on 12/14/2014. Tt sent evaluation form to USAID on 01/20/2015. No action Requested COR to submit completed evaluation forms to Tt	Noori/Leek	Moitozo	Completed 10/28/2014	8/12/2014
T	WO-LT-0084	G-K Road Phase 4	$32,763,736	Tt to review, track and comment on submitals received commencing on 08/05/2014 and ongoing. No action requested No action requested	Noori/Leek	Moitozo	Open	8/2/2014
VS	WO-LT-0082	Engineering Support FoHE	N/A	Submitted SOW/ROM on 04/16/14; NTP received 05/18/14. Tt submitted design review for Deh Sabez School on 12/07/2014. No action requested COR to identify and forward additional assignments to Tt	Enslein	Moitozo	Open	5/18/2014
VS	WO-LT-0089	Gardez and Khair Kot Hospital Mechanical QA Services	TBD	COR requested a SOW/ROM for CHEF Gardez and Khair Kot Hospital Mechanical QA services 12/07/2014. Tt submitted SOW/ROM on 01/05/2015. No action requested USAID to provide NTP for submitted SOW/ROM	Oryakhel	Moitozo	Pending	

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